OCCUPATIONAL

SHETY

MOLECULAR WEIGHT

128.4

REVISED DATE

4/11/83

ASARCO PRODUCT COUE #

ISSUED DATE

4/11/83

GENETACINEORWASIONS

TRADE NAME (COMMON NAME OR SYNONYM)

Cadmium oxide

CHEMICAL NAME

Cadmium oxide

FORMULA

CONTROT

CdO

ASARCO

ADDRESS (No., STREET, CITY, STATE AND ZIP CODE)

120 Broadway New York, New York

10271

Phone: 212-669-1000

PHONE NUMBER

General Information -Department of Environmental Sciences

Department of Environmental Sciences DAY 801-262-2459
NIGHT 801-943-1754
First Aid Information - (Dr. C. H. Hine) DAY 415-777-2213
Transportation Energencies - CHEMTREC 800-424-9300

TO THE WALL THE WALL TO SERVICE THE PARTY OF THE PARTY OF

WI. 50 PERMISSIBLE AIR CONCENTRATION MATERIAL OR COMPONENT 1306-19-0 99.7 See Section K Cadmium oxide

> IX OSHA [] ACGIH I OTHER

If symptoms of respiratory distress occur or there has been a known exposure to dense fume, remove from exposure, place individual at bed rest, and immediately call a physician. Inhalation:

Induce vomiting in a conscious individual: immediately call a physician. Ingestion:

HEALTH A single exposure to CdO fume can cause an acute poisoning with severe lung irritation and pulmonary edema, which may be fatal. Chronic cadmium poisoning is characterized by lung injury (emphysema) and kidney dysfunction (proteinuria). INHALATION Cadmium is highly irritating to the stomach lining. Ingestion of cadmium salts may produce nausea and vomiting. Possible mechanical irritation of skin. FYES Mechanical irritation MEDICAL CONDITIONS POSSIBLY AGGRAVATED Diseases of the lung and kidneys. UNUSUAL CHRONIC TOX SITY Chronic (admium poisoning characterized by distinctive lung injury (emphysema) and kidney dysfunction (proteinuria) which may become permanent may occur. Cadmium is a suspect carcinogen. °C FLAMMABLE LIMITS IN AIR (196 BY VOL.) C AUTO IGNITION FLASH POINT TEMPERATURE NOT APPLICABLE JOPEN CUP LICLOSED CUP NOT APPLICABLE NOT APPLICABLE UNUSUAL THE AND EXPLOSION HAZARDS NOT APPLICABLE FIRE EXTINGUISHING AGENTS RECOMMENDED No specific agents recommended. PHE EXTINGUISHING AGENTS TO AVOID No specific agents. SPECIAL FIRE FIGHTING PRECAUTIONS Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing ENGINEERING CONTROLS Local exhaust ventilation is required for screening, heating, dumping, shoveling, or other operations where excessive airborne exposures may occur. Use of approved respirators is required for applications where adequate ventilation grants be provided. Bulk dust handling requires the use of full protective clothing. General storage procedures acceptable. SPILL OF LEAK A clean-up procedure which minimizes exposure is required. Vacuuming is preferred. Place all material in closed containers. Do not use compressed air for cleaning. Use approved respiratory protection if possibility of dust/fume exposure exists. SPECIAL PRECAUTIONS/PROCEDURES/LABEL INSTRUCTIONS

Practice good housekeeping and personal hygiene procedures. No tobacco or food in work orca. Wash thoroughly before eating or smoking. Avoid ingestion or inhalation. The same thoroughly before eating or smoking. By not wear contaminated to a shower and change clothes at end of shift. To not wear contaminated

PEFISONAL HYGIENE

BOE-C6-0209707

Label signal word:

BESPIRATORY PROTECTION		
NIOSH/MSHA approved respirator	for toxic dust and/or fume.	
EYES AND FACE	nggarangan an di dangganggangganggan dan dan kembanangan an an ang kang-dip di dangganggan dang dida di dan singkangganggan danggan dangga	redución de ser calminar extendigo mentendo estados de estados estados de estados estados estados de estados e
Safety glasses recommended whe	re the possibility of getting	dust particles in eyes exists.
HANDS, ARMS, AND BODY	autopoologiaaliseetireejaliikkon muuti olemain onto, inkaston, ajaa opaaleesiteetireeja oleen asteropoologia o T	gerander frankling frankli
Gloves or other protective clo	thing required if skin contac	t is appreciable.
OTHER CLOTHING AND EQUIPMENT	responsable deposit table to response to the parameter and a parameter and the parameter deposits and the parameter and	
Full protective clothing is re All contaminated clothing show	quired for tulk dust handling ld be removed before leaving	plant premises.
(GEARING CALDAYA)		
MATERIAL IS (AT NORMAL CONDITIONS):	APPEARANCE AND ODOR	
☐ LIQUID TX SOLID ☐ GAS	Brown powder, odorless	
BORING POINT	SPECIFIC GRAVITY (H ₂ O = 1)	VAPOR DENSITY (AIR = 1)
NOT APPLICABLE MELTING POINT Decomposes at 900 C	8.15	NOT APPLICABLE
SOLUCILITY IN WATER (% by Weight)	Ha.	VAPOH PRESSURE (mm Hg at 20° C) [] (PSIG) []
INSOLUBLE	NOT APPLICABLE	NOT APPLICABLE
EVAPORATION BATE (Bury! Acetate = 1) [] (Ether = 1) []	% VOLATILES BY VOLUME (At 20° C)	
NOT APPLICABLE	NOT APPLICABLE	
	/ · · · · · · · · · · · · · · · · · · ·	
YTIJIEAT	CONDITIONS TO AVOID	
☐ UNSTABLE 📆 STABLE	NOT APPLICABLE	
INCOMPATIBILITY (MATERIALS TO AVOID)	annique de manifestation de la company de la compa	
Magnesium plus heat may react	explosively.	
HAZARDOUS DECOMPOSITION PRODUCTS		
CdO fumes may be generated at	temperatures approaching the	decomposition point.
HAZARDOUS POLYMERIZATION	CONDITIONS TO AVOID	
☐ MAY OCCUR	NOT APPLICABLE	

A CELLINGENCE

40 CFR **EPA HAZARDOUS SUBSTANCE?** IF SO, REPORTABLE QUANTITY: 116-117 YES NO

WASTE DISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OF DECHARGE LAWS)

If hazardous under 40 CFR 261. Subparts B and C, material must be treated or disposed in a facility meeting the requirements of 40 CFR 264 or 265. If non-hazardous, material should be disposed in a facility meeting the requirements of 40 CFR 207.

RCHA STATUS OF UNUSED MATERIAL:

40 CFR 261-11

If discarded in unaltered form, material should be considered a hazardors waste due to listing in 40 CFR 261.11(3), Appendix VIII. Under specific circumstances, application can be made to the EPA Ambatetrator to have a particular waste designated non-hazardous.

(स्कार्य सम्बद्धाः

PERMISSIBLE CONCENTRATION REFERENCES OSHA regulations for airborne contaminants 29 CFR 1910.1000

HAZ*AD INFOHMATION REFERENCES
"Documentation of the Threshold Limit Values," 4th Ed., ACGIH
Patty's Industrial Hygiene and Toxicology, Vol. 2A, 3rd Rev. Ed., 19"
INFPA "Fire Protection Guide on Hazardous Materials," 6th Ed., 1975
"Criteria for a Recommended Standard...Occupational Exposure to Cada

, atOSH, 1976

Cection J.

GENTHAL

MER ADDITIONAL INFORMATION

Information (nazardo, precautions, first aid, etc.) is abbreviated. More detailed information is contained in refe

OSHA Permissible Air Concentration as Cadmium:
fuso: 0.243/cm.a., 0.5 mg/cm.m.—ceitha,
Fice: 0.1 mg/cm.m., 0.3 mg/cm.—ceithag

